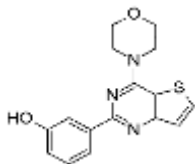


**PRODUCT: PI3K- $\alpha$  Inhibitor****ALTERNATE NAME:** 3-(4-Morpholinothieno[3,2-d]pyrimidin-2-yl)phenol; Compound 15e**CATALOG NUMBER:** B1869-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>16</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S**MOLECULAR WEIGHT:** 313.4**CAS NUMBER:** 371943-05-4**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** PI3K $\alpha$  inhibitor is a potent and selective inhibitor of PI3K $\alpha$  with IC<sub>50</sub> values of 2, 16, 660, and 220 nM for the  $\alpha$ ,  $\beta$ ,  $\gamma$ , and 2C $\beta$  isoforms, respectively. It inhibits PKA, KDR, PKC $\alpha$ , and cyclin E/Cdk2 significantly less effectively (IC<sub>50</sub> = 91, 3.4, 466, and 28  $\mu$ M, respectively). PI3K $\alpha$  inhibitor inhibits A375 melanoma cell proliferation with an IC<sub>50</sub> value of 580 nM.**REFERENCES:** Hayakawa, M., *et al.* (2006). *Bioorg. Med. Chem.* **14**, 6847-6858.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

APY-0201 (Cat. No. 9564-5,25)

AS-604850 (Cat. No. 2339-1, 5)

BAG956 (Cat.No. 2456-5, 25)

BAY 80-6946 (Cat. No. B1267-5,25)

BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)

CAL-101 (Cat. No. 2613-5, 25)

GDC-0941 bismesylate (Cat. No. 1623-1, 5)

Deforolimus (Cat. No. 1587-5, 25)

DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)

GDC-0941 (Cat. No. 1623-1,5)

GSK-263771 (Cat. No. 2793-5, 25)

IC87114 (Cat. No. 1661-1)

IPI-145 (Cat. No. 2445-5, 25)

LY 294002 (Cat. No. 1667-5, 25)

NVP-BKM120 (Cat. No. 2619-5, 25)

mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)

OSU-03012, hydrochloride (Cat. No. 2295-5, 25)

PI-103 (Cat. No. 1728-1,5)

PIK-294 (Cat. No. 2614-5, 25)

PI3-K $\gamma$  Inhibitor, AS-605240 (Cat. No. 1780-1,5)

PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)

PP242 (Cat. No. 1658-1)

PX-866 (Cat. No. 1965-1, 5)

Rapamycin (Cat. No. 1568-5, 50)

SAR260301 (Cat. No. B1263-5,25)

Temsirrolimus (Cat. No. 1600-5, 25)

TGX-115 (Cat. No. 1660-1)

TGX-221 (Cat. No. 1781-1,5)

Wortmannin (Cat. No. 1670-1)

YM201636 (Cat. No. 2045-1, 5)

XL147 (Cat. No. 9401-5, 25)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**